

20020509.qrp v02\_n550.qrl.20020509

Date: Thu, 9 May 2002 19:03:10 EDT  
From: qrp-l@Lehigh.EDU  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: QRP-L digest 2550

QRP-L Digest 2550

Topics covered in this issue include:

- 1) [126366] RE: Diode Ring Mixer Level  
by "Brad Hernlem" <alihernlem@hotmail.com>
- 2) [126367] OT: 'J' ' ' and 'W' mix surplus ...  
by "Tracy Markham" <tracy@bytemark.com>
- 3) [126368] Re: Diode Ring Mixer Level  
by "Jim Kortge, K8IQY" <jokortge@prodigy.net>
- 4) [126369] Further abuse of the TS-50  
by "Walt Amos" <k8cv@netzero.net>
- 5) [126370] Re: What NOT to buy at Dayton  
by Chuck Adams <k7qo@earthlink.net>
- 6) [126371] Slightly OT question  
by Rick McKee <kc8aon@juno.com>
- 7) [126372] Mutliband Apples and Apples  
by Kenneth Hoglund <hoglund@wfu.edu>
- 8) [126373] QRP-L Archives on CD [long]  
by Chuck Adams <k7qo@earthlink.net>
- 9) [126374] NEQRP CW Net, 9 May 02, 8:30 PM EDT, 3.565 MHz  
by Chuck Ludinsky <cludinsky@attbi.com>
- 10) [126375] Another PCB paddle concept  
by Steven Weber <kd1jv@moose.ncia.net>
- 11) [126376] QRP SSCW Nov 2002 Ops Training CD [long]  
by Chuck Adams <k7qo@earthlink.net>
- 12) [126377] Dayton Traffic and Weather  
by "Marty N5NW" <n5nw@n5nw.org>
- 13) [126378] Re: What NOT to buy at Dayton  
by "Mike Yetsko" <myetsko@insydesw.com>
- 14) [126379] Re: Mutliband Apples and Apples  
by Wayne Burdick <n6kr@elecraft.com>
- 15) [126380] Dan's Annual Climatological Report for the Dayton Area  
by Dan Puckett <wd8aau@woh.rr.com>
- 16) [126381] Re: Mutliband Apples and Apples  
by "John J. McDonough" <wb8rcr@arrl.net>
- 17) [126382] Re: QRP-L Archives on CD [long]  
by "John J. McDonough" <wb8rcr@arrl.net>
- 18) [126383] [CONTEST] N2CQ QRP Contest Calendar May 11-31  
by "Ken Newman" <n2cq@dandy.net>
- 19) [126384] hard of hearing SST

- by John McKee <JMcKee@rfmd.com>
- 20) [126385] Argonaut 509 FS  
by Tim O'Rourke <TORourke@KaiserFT.com>
- 21) [126386] Re: QRP-L Archives on CD [long]  
by David Hinerman <WD8CIV@worldnet.att.net>
- 22) [126387] Ten Tec 516  
by "Hartwell, Martin E, ALINF" <mehartwell@att.com>
- 23) [126388] Ideas  
by "Hartwell, Martin E, ALINF" <mehartwell@att.com>
- 24) [126389] Free EE text books  
by "Tony Parks" <robert.parks11@gte.net>
- 25) [126390] Homebrew Project  
by Mercxx@aol.com
- 26) [126391] Re: Mutliband Apples and Apples  
by tailfeathers@juno.com
- 27) [126392] FS: Radio stuff  
by "Michael Connor" <nq7k@mtarvin.com>

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Date: Wed, 08 May 2002 19:58:15 +0000  
From: "Brad Hernlem" <alihernlem@hotmail.com>  
To: n4xy@earthlink.net  
Cc: qrp-l@lehigh.edu  
Subject: [126366] RE: Diode Ring Mixer Level  
Message-ID: <F81x1gT2ev2lGGGoYQXH00011e01@hotmail.com>  
Mime-Version: 1.0  
Content-Type: text/plain; format=flowed

Thanks Ed, Leon et al. for your suggestions and advice.

The mystery part is that EMS-1 that I mentioned a few months ago. All I learned at that time was that N6PLR had some for sale (so I bought some :-)  
John says that they are similar to SBL-1 and they sure look alike.

The other reason that I asked is because I have one homebrewed mixer that I would also like to test. That one uses a diode ring from Baggy Bob.

My test equipment line-up includes a Tektronix 7613 100 MHz scope, Tektronix 190B boatanchor constant amplitude signal generator, a homebrew signal generator (2V P-P output), a pair of Texscan 50 ohm step attenuators (10 and 1 dB steps) and a miscellaneous junk heap suitable for cobbling together fixtures as needed.

So what I am hearing here is to perhaps rig up a fixture to holder DUT, feed the LO through the attenuators, attenuate and terminate the RF to a suitable level and look at the appropriately terminated IF using the scope as the LO

is adjusted? What should the output look like if all is "right" and all is "wrong" (shape, level, ...)? (I imagine that this will be learned in the process but it helps to have a knowledgeable person confirm beforehand).

Brad KG6IOE

>From: "Ed Tanton" <n4xy@earthlink.net>

>Hi Brad... what you'd be looking for would be distortion / overload  
>products of one form or another. I would start with as low a set of  
>input signal as possible, and see what results. One good guide would be  
>to look through various handbooks and look at their levels... if not  
>listed, duplicate their circuits as closely as possible for your  
>injection oscillator, and mixer. In a broad sense, think of 60dB  
>attenuation as virtual non-existence. 30dB is pretty far down, and so  
>on. The idea is to use the minimum level that produces a useable,  
>undistorted output signal. If you lack the test equipment to SEE these  
>signals, go ahead and build the detector/etc. and listen to the audio.  
>Also keep in mind that impedance mismatches between such stages are VERY  
>serious, so you need to use known-good circuit diagrams for your  
>circuitry. Finally, use 1/8W resistors (preferably carbon film) for your  
>attenuators-which may provide SOME protection for the circuits that  
>follow. (Better to blow a resistor than a MOSFET.)

>

>73 Ed Tanton N4XY <n4xy@earthlink.net>

>

>Ed Tanton N4XY

>189 Pioneer Trail

>Marietta, GA 30068-3466

>

>website: <http://www.n4xy.com>

>

>All emails <IN> & <OUT> checked by

>Norton AntiVirus with AutoProtect

>

>LM: ARRL QCWA AMSAT & INDEXA;

>SEDXC NCDXA GACW QRP-ARCI

>OK-QRP QRP-L #758 K2 (FT) #00057

>

>

>

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Send and receive Hotmail on your mobile device: <http://mobile.msn.com>

-----

Date: Wed, 8 May 2002 13:30:46 -0700  
From: "Tracy Markham" <tracy@bytemark.com>  
To: "QRP-L" <qrp-l@lehigh.edu>  
Subject: [126367] OT: 'J' ' ' and 'W' mix surplus ...  
Message-ID: <NFBBKLDHALEHCJMAJPKFOECNDBAA.tracy@bytemark.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
          charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

I have a couple hundred of each of the following cores, coated gray for a custom order. These are way below retail.

FT140A-J \$2.00  
FT140A-W \$2.00  
FT114A-W \$1.60  
FT150A-W \$2.25

Prices are for any quantity.

May be of value to someone. Email direct if interested.  
Tracy N4LGH  
(bytemark.com)

-----  
Date: Wed, 08 May 2002 19:18:14 -0400  
From: "Jim Kortge, K8IQY" <jokortge@prodigy.net>  
To: alihernlem@hotmail.com  
Cc: qrp-l@lehigh.edu  
Subject: [126368] Re: Diode Ring Mixer Level  
Message-ID: <5.1.0.14.1.20020508191638.00a66ec0@pop.prodigy.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"; format=flowed

At 08:02 PM 5/7/02 +0000, you wrote:

>Question:

>

>If one possesses a diode ring mixer but lacks the specifications, what can  
>one do (if anything) to determine its proper operating "level"?

>

>Brad

Brad,

What kind of test equipment do you have available? That would be key to the kind of answer I would want to formula for your question.

72,

Jim, K8IQY

-----  
Date: Wed, 8 May 2002 19:34:23 -0400  
From: "Walt Amos" <k8cv@netzero.net>  
To: "Qrp-L Mail" <qrp-l@lehigh.edu>  
Subject: [126369] Further abuse of the TS-50  
Message-ID: <000001c1f6e9\$a4258620\$112f3b41@WALTK8CV>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="Windows-1252"  
Content-Transfer-Encoding: 7bit

Woo Hoo, qrp lie follows :

False fix ! The Ts-50 still malfunctioning malfunctioning  
malfun..... or the audio is rotten, display blinking ,  
unintentional power reduction, malfunction malfunction, #5 malfunctioning.

Upon, yes apeon, further exploratory surgery and the complete disassembly  
disassembly of the front panel and removal of the first abortion fix, a  
HATED PLATED THROUGH HOLE WAS FOUND TO BE BAD ! A stranded hookup wire was  
SKINNED and one lousy strand ( yes 1 one ) was cut and threaded through the  
hated hole and soldered on both ends ! Now battery on IC-2 and associated  
transistors. Whoopee ! Stuff all the things back together and test rig. The  
DISPLAY LIGHTS and is now under control of the WONDERFUL MENU ! Still to  
test it in the morning on HIGH power, but it works on qrp and cw.

Thump thump, my chest, and swing through the antenna towers " UH JANE, ME  
TARZAN "

Walt K8CV Royal Oak, MI.

-----  
Date: Thu, 09 May 2002 07:57:15 +0100  
From: Chuck Adams <k7qo@earthlink.net>

To: qrp-1@lehigh.edu  
Subject: [126370] Re: What NOT to buy at Dayton  
Message-ID: <5.1.0.14.0.20020509074721.009f4a90@mail.earthlink.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"; format=flowed

On this thread of Dayton and since I will be taking some greenbacks with me to do some serious shopping.

I would take a notebook with me to keep track of everything that I see, pricing, etc. For any purchases that I make I will write down the information and get the vendors/individuals name and call. Also write down the booth number and I believe that all the slots in the outdoor flea market are marked so that everyone will know if they are in the right place.

Hopefully the DARC people are making sure that everyone that is selling there is in the right place and is the individual that paid for the slot.

If you then get home and have a problem, then get in contact with DARC and file a complaint. Maybe they will be able to help you or at least make sure the individual does not get a slot next year. The reputation of Dayton Hamvention is at stake if they don't stop the problem if it becomes widespread. I haven't had the problem and hope not to encounter it either.

I will post a list the first of next week on the original price of any QRP gear and kits that have been sold on QRP-L or advertised here. That way you have some idea if everyone is in the correct ball park for the asking price.

My fear is that things like Hensley, WBL, and other Iambic paddles are going to be priced way too high, since they are no longer being made.

Look for the pricing list on Monday evening or so. There is a bunch of stuff that even I have forgotten what I paid for it new. :-)

FYI,

Chuck Adams, K7QO CP-60 k7qo@earthlink.net  
<http://www.qsl.net/k7qo>

Moving to Arizona? --- Bring your own water, please.

-----  
Date: Wed, 8 May 2002 19:40:27 -0400  
From: Rick McKee <kc8aon@juno.com>  
To: qrp-1@Lehigh.EDU  
Subject: [126371] Slightly OT question  
Message-ID: <20020508.194030.4622.0.kc8aon@juno.com>

Anyone on the list have an Icom IC-215 portable crystal controlled 2 meter transceiver ? this is the one with the internal battery pack and shoulder strap. I just picked one up without a mic and I need the mic wiring pinout. Thought it would be a good rig to use between the old johnboat and camp ! Not worth much, so if it gets knocked overboard I'm not out much. And yes, it is QRP - 1/2 watt on low and 3 watts on high ! Please email me off the list.

k8aon@juno.com

Rick McKee, KC8AON  
Willow Wood, Ohio  
QRP - Do more with less !

-----  
GET INTERNET ACCESS FROM JUNO!  
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<http://dl.www.juno.com/get/web/>.

-----  
Date: Wed, 08 May 2002 19:45:44 -0400  
From: Kenneth Hoglund <hoglund@wfu.edu>  
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [126372] Mutliband Apples and Apples  
Message-ID: <3CD9B8A8.25CC75AD@wfu.edu>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Gang--

Since the question has come up regarding the TT 516/Argonaut V, I thought I'd do a little investigation as to the physical characteristics of several multi-band rigs in relation to their power requirements. The raw data follows:

Rig	FT-817	SGC2020	K-2	516
Rec	450mA	400mA	300mA	950mA
Trans	2A	3A		2A
				6A
Wgt	2.6	4.5		3.3
				5
Size	51.77	115.5	265.9	226.7

Weight is in lbs; size in cubic inches calculated off the manufacturer's specs.

Price is deliberately left off. The 817 needs a cw filter; the K-2 a ssb board; etc. etc.

Coming up with a price comparison will depend largely on one's operating preferences.

What does this tell us? At the whopping 5 lbs weight, and considerable size, the 516 was not designed with portability in mind. Hence the relatively large current requirements are reflective of a more or less set operating position.

The FT-817, on the contrary, was clearly intended to be portable, which makes its relatively demanding current draw a negative. The SGC2020 resides with a foot in both worlds: size and current draw would make it an attractive portable, 4.5 lbs makes it a little on the stout size for backpacking. The K-2 and 516 look to be qth rigs that could be taken for a drive now and again, the K-2 being the far more efficient in use of power and a lighter weight. But it will take up a lot of space in the backpack. Any of these rigs would probably be dandy for a DXpedition, so long as you're not packing in rig plus batteries!

So how's them apples!

73

Ken KG4FGC

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Date: Thu, 09 May 2002 08:35:37 +0100  
From: Chuck Adams <k7qo@earthlink.net>  
To: qrp-l@lehigh.edu  
Subject: [126373] QRP-L Archives on CD [long]  
Message-ID: <5.1.0.14.0.20020509080141.009f12b0@mail.earthlink.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"; format=flowed

Gang,

I spent quite a bit of time working on this project and it turns out that it isn't quite what I wanted.

Several times over the years --- I and several others have pleaded, begged, and asked that individuals NOT repeat previous posts in replies, answers, etc. to the list. It eats up a lot and I mean a lot of space..... And people still do it daily.

Here is the status report. And I'm going to repeat the process in detail so the others on the list that use Linux can reproduce my results and maybe, just maybe find another routine that works.

-----dweeb stuff past here-----

STEP 1: Get all of the QRP-L archives into one directory. You go to ftp.lehigh.edu and wander down the directory structure /pub/listproc/qrp-l/archives and in the directories 1993, 1994, .... you will find each days digest. FTP all those files to your local directory and uncompress them.

I even rename them to include the full year:

Using the csh or tcsh, do the following

```
foreach i ( 93* 94* 95* 96* 97* 98* 99* )  
mv $i 19$i  
end
```

This will change things like 980110 to 19980110.

```
foreach i ( 00 01 02 )  
mv $i 20$i
```

end

STEP 2: Mail hasn't always been RFC-822 compliant on QRP-L, so there is a mod that I had to make to the files to get the mail to HTML conversion program to work.

So in the notes below you will see a reference to awk, one of my favorite utilities of all time. You will need a file ----- awk.f with the following two lines in it and the first line does have some leading blanks and the second one does not.

```
    { print $0 }  
/From:/ { print "Message-ID: <dummy@dummy.com>" }
```

This will put an extra line in each message, but it will not be used in the HTML stuff displayed.

STEP 3: Again. In csh or tcsh (you tell I'm not a fan of bash or the other shells....), run the following sequence in the directory you are doing all this work in.

```
foreach i ( 1993 1994 1995 1996 1997 1998 1999 2000 2001 2002 )  
cat $i* >tmp  
awk -f awk.f <tmp >mbox.$i  
hypermail -d $i.dir -l "$i QRP-L Archives" -m mbox.$i  
end
```

That is all there is to it. You will wind up with directories 1993.dir, 1994.dir, .... and in each one there will be a bunch and I mean a bunch of files with .html at the end of each file name. There is one file for every message posted to QRP-L. and also a date.html, author.html, subject.html, and index.html and it is the last four that you want to use Netscape or whatever browser you use under Linux to start with.

The rest is obvious. And I might have a typo in there somewhere so work on it and you will learn. This is not rocket science.

You will have to go out to the internet and find hypermail and if I can get a chance later I will do that again and post it, but you should be able to find the RPM file and source without any difficulty using any good search engine, like Google.COM or NorthernLight.com.

-----start of Political part-----

After doing this I get 1.67GB doing

```
du -sk .
```

in the working directory. This means that the archives in raw form from Lehigh.EDU plus the HTML stuff.

1993	23.22MB
1994	50.47MB
1995	74.36MB
1996	124.76MB
1997	167.10MB
1998	176.96MB
1999	186.48MB
2000	179.34MB
2001	187.66MB
2002	57.52MB

are the directory sizes that I get.

What this means is that the QRP-L archives in HTML readable form will no longer fit on one CD. This because of the massive number of times people have repeated previous postings along with the OT postings. This stuff adds up.

Also there are some messages in the archives that have either been corrupted or portions deleted..... So in the above setup to get the HTML stuff you will get a couple of error messages.

-----end-----

So unless someone censures the archives and deletes OT posts, rants and raves, etc. there will no longer be a QRP-L archive CD that you could scan easily without having to be online to do so..... Maybe, just maybe someone can come up with a solution. I don't know that any browser will automatically uncompress files if we go and compress the HTML stuff afterwards.

It is nice to be able to scan the history of QRP-L without having to do so connected to the Internet.

I have all the archives so that I can scan them using Netscape6 on SuSE 7.3 Professional version of Linux.

Only because I have them on the hard drive in one place  
and directory. But you can't do this on a CD with the  
9 years of data.....

FYI,

Chuck Adams, K7QO CP-60 k7qo@earthlink.net  
<http://www.qsl.net/k7qo>

Moving to Arizona? --- Bring your own water, please.

-----  
Date: Wed, 08 May 2002 20:30:54 -0400  
From: Chuck Ludinsky <cludinsky@attbi.com>  
To: qrp-1@lehigh.edu  
Subject: [126374] NEQRP CW Net, 9 May 02, 8:30 PM EDT, 3.565 MHz  
Message-ID: <3CD9C33E.5070506@attbi.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii; format=flowed  
Content-Transfer-Encoding: 7bit

The New England QRP Club's WQ1RP CW net meets again Thursday night, 9 May 2002, at 8:30 PM EDT (0030Z, 10 May 02) on or near 3.565 MHz. Net control operator for this week's session will be Chuck, K1CL, operating from Chelmsford, MA.

Working from Tyngsboro, MA, last week's net op was Ed, AB1CW. Ed reported a total of three checkins:

K1RC	John	Dracut, MA	559 mine 599
W4MQC	Alan	Harvard, MA	579 mine 599
K1LGQ	Dennis	Brookline, NH	559 mine 599

Static crashes were S9 at times with a storm in the area, so that may have been the reason for the low checkins. Net started at 8:30, and ended at 9:00. John (K1RC) is participating in the neqrp contest next weekend, and Dennis is on part 2 of his K1.

Thanks to everyone for QNI'ing, and hope to hear you again on Thursday night.

72 DE K1CL,  
Chuck

-----  
Date: Wed, 08 May 2002 21:02:14 -0400  
From: Steven Weber <kd1jv@moose.ncia.net>  
To: qrp-l@lehigh.edu  
Subject: [126375] Another PCB paddle concept  
Message-ID: <3.0.6.32.20020508210214.007a5670@mailhost.ncia.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Hey Gang,

I made another set of pcb paddles, but this time, mounted them vertical at one end of an Altoids tin! Who says paddle arms have to be horizontal anyway?

All you need is the arms and the support piece, and put the center contact in the middle of the support piece, between each arm. And of course, make the arms shorter, so only about 1/2" of the arm sticks up out of the tin. Also make the paddle arm support piece about the width of the tin, so you can bolt it to the bottom of the tin.

You can operate the deal with one hand, if you put the long end of the tin towards you and rest your hand on it. There's plenty of room left over in the tin to add a keyer, or a rig :-)

Now I'm working on an idea to make the fingure pieces removable, so nothing sticks out the top of the tin when not in use, making it easier to pack.

72,  
Steve, KD1JV  
"Melt Solder"  
White Mountains of New Hampshire  
<http://www.qsl.net/kd1jv/>

-----  
Date: Thu, 09 May 2002 10:15:57 +0100  
From: Chuck Adams <k7qo@earthlink.net>  
To: qrp-l@lehigh.edu  
Subject: [126376] QRP SSCW Nov 2002 Ops Training CD [long]  
Message-ID: <5.1.0.14.0.20020509083750.009e36b0@mail.earthlink.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"; format=flowed

Gang,

It isn't too early to start once again getting ready for the November CW SS Contest the first weekend in November this year. I know that the number of QRPers has increased yearly and hopefully will again this year and I'm here to help you increase your scores. This will even work for QRO stations operators also.

So I have the following deal for you.

One CD with 31 MP3 files consisting of 50 Qs (contacts for those in the audience not familiar with contest lingo) per track/file and each file is about 10 mins in audio length.

This means that it will take you over 5 hours to work through this CD. :-) And it won't be easy.

-----Setup-----

1. You will need a logging program for SS.
2. You will need a MP3 player or maybe you can play the CD and run your logging program at the same time.
3. The CD has valid SS contacts for 1550 stations that have worked at least one SS in the last 7 years. I know 'cuz they came from my logs..... This means that if you did work 1550 contacts during SS you could do it in less than 12 hours and not the 24 that you probably used up during the weekend. :-) You will be able to do it in less than 6 hours as you don't have to send your exchange.
4. You listen to the CD and log as many Qs as you can. You can do this in 15 min periods or longer and you can even do this over a number of days and not do this all at once killing off a weekend. It is just practice.
5. After you go through the CD, you can email me your ASCII log and I will grade it. I will do this one and only one time as I don't want to make a career out of it. :-) So you practice and do the CD several times if you want and then send me your homework for grading. :-)

The exchanges on the CD are from 20WPM to 35WPM

with random tones and audio levels. No QRM and no multiple stations at one time though I could program it in.

The cost will be \$15 for the customized CD with your call sent at the beginning of each exchange just like in SS. Thus it won't do you any good to share this with others, unless they like your call. :-)

This takes me time to do and create, thus the charge. I will ship you the disc priority mail upon receipt of payment. Disc will be in a CD envelope and have either a small label or maybe I can do the full label if time permits. Sorry but I don't do checks and pay pal. My bank wants \$30 for errors and I don't want to pay them.... :-) MO is probably the best way to go. I figure for \$15 you will not blow this off and put the CD away for some time later. And my time is valuable.

It will speed things up if you include a mailing label also with your name and address that I can just stick to the envelope. TIA.

My mailing address is:

Chuck Adams, Box 11840, Prescott, AZ 86304-1840

and is the callbook address.

Hope this helps and interests you. Send me email if the MO is in the mail so that I can get started right away and save some time. Hopefully this won't be a high volume deal. It takes about 1 hour per disc to create even at 1.2GHz.

And some people will say that it is easy to memorize something like this. Ain't true. Also, even if you did it would certainly help during the contest.

I can slow the upper limit down but that wouldn't help you by giving you an easier project....

dit dit es FYI,

These calls ----- K8PZ, KD7DMH, KD4LOX, N4EO, KR5C, and N5IB do not have to send me anything. Thanks for your help in other matters..... :-) And Northrup gets this plus another goodie.....

The follow up to this project is a CD that goes from 20WPM (you do the ARRL CDs before this) to 50WPM in 20 hours of Morse. With exercises for head copy and keyboard also. This after Dayton some time.

Chuck Adams, K7QO CP-60 k7qo@earthlink.net  
<http://www.qsl.net/k7qo> QRP-L #1

Moving to Arizona? --- Bring your own water, please.

-----  
Date: Wed, 8 May 2002 23:41:45 -0400  
From: "Marty N5NW" <n5nw@n5nw.org>  
To: "QRP" <qrp-l@lehigh.edu>  
Subject: [126377] Dayton Traffic and Weather  
Message-ID: <HJELK0JDNFAJGICJMIFGKELGDEAA.n5nw@n5nw.org>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

FWIW, the current weather forecast shows cloudy on Thursday, spotty showers on Friday, clouds and sun mix on Saturday, and bright and sunny on Sunday. Temps in the upper 60s each day.

Those coming to the Ramada by the Dayton Mall should be aware of the construction at the Lyons Road overpass (between the I-675 junction and the Miamisburg/OH 741 exit). They have been taking it down to one lane lately. On the good side, the construction through downtown Dayton on I-75 is completed. The Ramada at Little York Road (on the north side, near the I-70/I-75 junction) is unaffected. Between Little York and downtown, there is some construction to the roadside sound barriers, but not a lot of delays as a result.

Also, if approaching from Cincinnati on I-75, be aware that the rest areas are currently closed for construction. From Union Center Boulevard until I-675 in Dayton the Ohio Highway Patrol has established a targeted enforcement zone, particularly near the Middletown, Ohio, area. Ohio speed limits are still 65 MPH, and they are strictly enforced in that zone. Further, the Ohio Highway Patrol has been taken to task for writing warnings instead of tickets for failure to wear a seat belt. If stopped, you can expect a ticket if the seat belt is not on.



Just a few helpful (I hope) travel hints.

de N5NW/8 (Marty)  
Bellbrook, Ohio (Dayton's southeast suburb)

-----  
Date: Thu, 9 May 2002 00:20:31 -0400  
From: "Mike Yetsko" <myetsko@insydesw.com>  
To: <k7qo@earthlink.net>,  
"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>  
Subject: [126378] Re: What NOT to buy at Dayton  
Message-ID: <004901c1f710\$e1efa180\$0200a8c0@charter.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

One thing... Whenever I buy anything substantial, I always make note of the kind of vehicle the guy is tailgating from. And the license number....

Just a suggestion.

Mike

----- Original Message -----  
From: "Chuck Adams" <k7qo@earthlink.net>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Sent: Thursday, May 09, 2002 2:57 AM  
Subject: Re: What NOT to buy at Dayton

>  
>  
>  
> On this thread of Dayton and since I will be taking some  
> greenbacks with me to do some serious shopping.  
>  
> I would take a notebook with me to keep track of  
> everything that I see, pricing, etc. For any purchases  
> that I make I will write down the information and get  
> the vendors/individuals name and call. Also write  
> down the booth number and I believe that all the  
> slots in the outdoor flea market are marked so

> that everyone will know if they are in the right place.  
>  
> Hopefully the DARC people are making sure that  
> everyone that is selling there is in the right place  
> and is the individual that paid for the slot.  
>  
> If you then get home and have a problem, then  
> get in contact with DARC and file a complaint.  
> Maybe they will be able to help you or at least  
> make sure the individual does not get a slot next  
> year. The reputation of Dayton Hamvention is  
> at stake if they don't stop the problem if it  
> becomes widespread. I haven't had the  
> problem and hope not to encounter it either.  
>  
> I will post a list the first of next week on the  
> original price of any QRP gear and kits that  
> have been sold on QRP-L or advertised here.  
> That way you have some idea if everyone is  
> in the correct ball park for the asking price.  
>  
> My fear is that things like Hensley, WBL,  
> and other Iambic paddles are going to  
> be priced way too high, since they are  
> no longer being made.  
>  
> Look for the pricing list on Monday evening or so.  
> There is a bunch of stuff that even I have forgotten  
> what I paid for it new. :-)  
>  
> FYI,  
>  
>  
> Chuck Adams, K7QO CP-60 k7qo@earthlink.net  
> <http://www.qsl.net/k7qo>  
>  
> Moving to Arizona? --- Bring your own water, please.  
>  
>

-----  
Date: Wed, 08 May 2002 23:38:44 -0700  
From: Wayne Burdick <n6kr@elecraft.com>  
To: qrp <qrp-l@lehigh.edu>  
Subject: [126379] Re: Mutliband Apples and Apples  
Message-ID: <3CDA1968.75634C10@elecraft.com>

MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Ken,

Thanks for putting together this table (duplicated below for anyone who missed it). I suppose you could glean something of a "portability index" for the various radios using this information:

Rig	FT-817	SGC2020	K2	516
Rec	450mA	400mA	300mA	950mA
Trans	2A	3A	2A	6A
Wgt	2.6	4.5	3.3	5
Size	51.77	115.5	265.9	226.7

Regarding the K2, I wanted to make a couple of points about portability that are not obvious from this comparison, and suggest two corrections.

When you're talking about portability, you can't look at just the basic radio itself. We designed the K2 to be a fully-integrated station so you wouldn't have to lug so many accessories into the field.

The K2 is unique in that you can add a wide-range internal automatic antenna tuner which weighs just a few ounces. This tuner (KAT2) allows you to operate on all bands with just one lightweight wire in a tree, and another laid on the ground as a counterpoise, and it adds only 2 mA to the rig's current drain thanks to the latching relays. The K2 also has an internal battery option (KBT2) that provides a lot more than just a couple of hours of "play time": you'll get typically 6-10 hours at 10 W PEP or CW, give or take a couple of hours depending on the transmit duty cycle and your power management settings (see below). Finally, the internal KI02 option provides remote control capability, at true RS232 levels, with a very small increase in current drain (about 10 mA). Those who are using data modes or contest software can connect the K2 directly to a small lap-top with no level converter.

My point is this: I think if you did create a "portability index," the sum of all the equipment required to get a 5 to 15-watt contest station on the air, on multiple bands, should be a consideration. The K2 would fare very well against the other rigs you listed in this regard, and in addition has by far the best receiver of the group (based on TenTec's tentative 516 specifications).

Two possible corrections:

1. The K2's receive-mode current drain can be configured to be low as about 150 mA. This is about the current drain you'd get using the rig during the daytime (backlight off), with the bargraph set to "dot" mode, receiver in battery-save mode, and preamp off. (If there's a KW station nearby and you need the higher intercept point, add another 60 mA or so; on high bands where you need the preamp, add another 20 mA; at night, at another 25 for the backlight.) Average current drain during home station use is 200-250 mA, unless you have the speaker volume cranked way up to drown out the TV.

2. I'm not sure how you calculated size, but the K2's cabinet is only 188 cubic inches (2.9"H x 7.8"W x 8.3"D). This doesn't include added depth for knobs and rear-panel connectors, which may or may not be relevant when you're stuffing things into a bag. The only significant projection in the case of the K2 is the VFO knob.

73,  
Wayne  
N6KR  
CTO, Elecraft

-----  
Date: Thu, 09 May 2002 03:03:00 -0400  
From: Dan Puckett <wd8aau@woh.rr.com>  
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [126380] Dan's Annual Climatological Report for the Dayton Area  
Message-ID: <3CDA1F24.35ED9E22@woh.rr.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

It's that time of year again for Dan's Famous (in my mind anyway)  
Weather  
Report for the Dayton Area. Ok. Here goes. Rain. Followed by more  
rain. We had flash flood warnings this morning. Seriously, it has  
been a bit cooler and wetter than normal. Will that hold until next  
week?  
Your guess is as good as mine.

Wright-Patterson Air Force Base has their own meteorology section. They  
keep a 7 day forecast on their web site. I will post the URL for it in  
the next couple of days. Just as soon as I remember what it is.

73,

Dan "Bash Bits"  
WD8AAU

-----  
Date: Thu, 9 May 2002 07:31:20 -0400  
From: "John J. McDonough" <wb8rcr@arrl.net>  
To: <hoglund@wfu.edu>,  
      "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>  
Subject: [126381] Re: Mutliband Apples and Apples  
Message-ID: <002e01c1f74d\$0c593580\$010044c0@chartermi.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
          charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

For comparison, a QRO compact rig, the Icom 706MkII

Rec    2A (!)  
Trans 20A  
Wgt    5.4  
Size 110.3

72/73 de WB8RCR    <http://www.qsl.net/wb8rcr>  
didileydadidah    QRP-L #1446 Code Warriors #35

----- Original Message -----  
From: "Kenneth Hoglund" <hoglund@wfu.edu>  
Subject: Mutliband Apples and Apples

> Gang--  
>  
> Since the question has come up regarding the TT 516/Argonaut V, I  
> thought I'd do a little investigation as to the physical  
> characteristics of several multi-band rigs in relation to their power  
> requirements. The raw data follows:

>  
> Rig          FT-817                SGC2020                K-2                516  
>  
> Rec    450mA                    400mA                300mA                950mA  
> Trans  2A                          3A                    2A                    6A  
>  
> Wgt     2.6                        4.5                    3.3                    5  
>  
> Size     51.77                    115.5                265.9                226.7  
>

-----  
Date: Thu, 9 May 2002 07:29:09 -0400  
From: "John J. McDonough" <wb8rcr@arrl.net>  
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>  
Cc: <k7qo@earthlink.net>  
Subject: [126382] Re: QRP-L Archives on CD [long]  
Message-ID: <002d01c1f74d\$0c0e70e0\$010044c0@chartermi.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

----- Original Message -----

From: "Chuck Adams" <k7qo@earthlink.net>  
Subject: QRP-L Archives on CD [long]

> What this means is that the QRP-L archives in HTML  
> readable form will no longer fit on one CD. This because  
> of the massive number of times people have repeated  
> previous postings along with the OT postings. This  
> stuff adds up.

The HTML-izing program that is on the QRP-L CD is a little more compact than that. Unfortunately the program is something of a hack so you can't just compile it and go, you need to make some changes to reflect your system layout. Worse, I think it uses a couple of directory routines that may be MS-specific. I usually try to stay away from OS-specific code where I can, but I never got all that good at reading directories so I took the easy, rather than the portable, approach.

There are a couple of things going on ... first, I was sensitive to the size issue so I tried to produce compact HTML. Only significant mail headers were kept. A lot of posts are small, so all the routing headers can take a lot of space and aren't all that useful. Also, combining lots of posts into one file saves on a lot of overhead. There is an obvious performance penalty in viewing larger files, but on DOS based systems (e.g. Windows) there is a huge penalty for lots of files in a directory, too. I don't get the feeling that penalty is quite so big on Unix systems, but it's there. So there's a bit of a tradeoff going on.

My sizes are:

```
[jjmcd@Cimbaoth HTML]$ du
7008    ./1993
9536    ./1994
21148   ./1995
```

36244 ./1996  
47132 ./1997  
49000 ./1998  
50616 ./1999  
48528 ./2000  
54696 ./2001  
351668 .

(These numbers are 1K blocks, so divide by 1024 to get Mb like Chuck posted).

Still, there is a pretty clear trend. If there isn't an improvement in the signal to noise ratio, we will spill over one CD before recordable DVDs become commonplace.

More significant, though, the signal to noise ratio discourages some of our most valuable contributors. If we each make an effort to quote intelligently and stay on topic, all of our experiences with QRP-L will be improved.

72/73 de WB8RCR <http://www.qsl.net/wb8rcr>  
didileydadidah QRP-L #1446 Code Warriors #35

-----  
Date: Thu, 9 May 2002 07:53:01 -0400  
From: "Ken Newman" <n2cq@dandy.net>  
To: "N4S0" <N4S0@Juno.com>, "W3BG" <W3BG@arrl.net>,  
"N9AVG" <N9AVG@amsat.org>,  
Subject: [126383] [CONTEST] N2CQ QRP Contest Calendar May 11-31  
Message-ID: <000b01c1f750\$136c6600\$f0881c42@18.95.182.twsn1.md.home.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

~~~~~  
QRP CONTEST CALENDAR

May 11-31, 2002  
~~~~~

Nevada QSO Party (All)

May 11 - 0000z to May 12 - 0600z

Rules: <http://www.sk3bg.se/contest/nevqp.htm>

"Work NV Counties"

~~~~~

Oregon QSO Party (All)

May 11 - 1400z to May 12 - 0200z

Rules: <http://www.arrl.org/contests/months/may.html>

"Work OR Counties"

~~~~~

FISTS Spring Sprint (CW) ... QRP Category

May 11 - 1700z to 2100z

Rules: <http://www.fists.org/sprints.html>

"WHEN YOU'VE WORKED A FIST, YOU'VE WORKED A FRIEND"

~~~~~

CQC PSKontest 2002 (PSK 80-10m) ...QRP Contest!

May 11 - 1900z to May 12 - 0100z

Rules: <http://www.cqc.org/>

"PSK..The most popular new mode."

~~~~~

CQM International DX Contest (CW/SSB/SSTV) ... QRP Category

May 11 - 2100z to May 12 - 2100z

Rules: [http://www.mai.ru/~crc/cq-m/cqmain\\_e.htm](http://www.mai.ru/~crc/cq-m/cqmain_e.htm)

"Peace to the world"

~~~~~

Dayton Hamvention (QRP Event - FDIM)



May 17-19

Info: <http://www.hamvention.org/>

~~~~~  
Anatolian RTTY WW Contest (Turkey)

May 17 - 1800z to May 18 - 2100z

Rules: <http://www.qsl.net/ta9j/anatolianeng.htm>

"RTTY All Bands"

~~~~~  
HIS MAJESTY THE KING OF SPAIN CONTEST (CW)

May 18 - 1800z to May 19 - 1800z

Rules: <http://home.online.no/~janalme/rules/eaking.txt>

"Work Spain Stations"

~~~~~  
Baltic Contest (CW/SSB) (80 Meters)

May 18 - 2100z to May 19 - 0200z

Rules: <http://home.online.no/~janalme/rules/baltic.txt>

"Promote Radio Sport. Work anyone"

~~~~~  
CQWW WPX Contest (CW) ... QRP Category

May 25 - 0000z to May 26 - 2400z

Rules: <http://home.woh.rr.com/wpx/2002Rules.PDF>

"Great DX"

~~~~~  
QRP ARCI Hoot Owl Sprint (CW) ... QRP Contest!

May 26 - 2000 to 2400 (Local Time)

Rules: <http://personal.palouse.net/rfoltz/arci/hoot.htm>

"QRP Fun"

~~~~~  
Michigan QRP Memorial Day Sprint (CW) ... QRP Contest!

May 27 - 2300z to May 28 - 0300z

Rules: <http://www.qsl.net/miqrpclub/rules01.htm>

"Bonus Points on HB Equipment"

~~~~~  
Thanks to LA9HW, SM3CER, WA7BNM, ARRL and others  
for assistance in compiling this calendar.

Please foreward the contest info you sponsor to N2CQ@ARRL.NET and  
we will post it and give it more publicity.

Anyone may use this "N2CQ QRP Contest Calendar" for your website,  
newsletter, e-mail list or other media as you choose.

(Include a credit to the source of this material of course.)

72 de

Ken Newman - N2CQ

N2CQ@ARRL.NET

\*\*\*\* QRP Contest Calendar \*\*\*\*

<http://www.njqrp.org/data/contesting.html>

<http://www.n3epa.org/Pages/Contest/contest.htm>

<http://www.qsl.net/cqrp/contests.html>

-----  
Date: Thu, 9 May 2002 08:19:58 -0400

From: John Mckee <JMckee@rfmd.com>

To: "'qrp-l@Lehigh.EDU'" <qrp-l@lehigh.edu>

Subject: [126384] hard of hearing SST

Message-ID: <0F9390B0854ED41180050004ACE6E0E5044A39AE@MAIL2>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

As anyone ever experienced an SST (my is a 20 meter version) that has really

poor sensitivity? I have been through the rig several times and checked component values and placement. Replaced what looked like might have been a bad NE602 but the radio is still nearly deaf. At -70dBm a signal is barley audible.

Could I have a bad crystal in the IF filter? Any suggestions how to check for that?

The radio seems to work normally except you can't hear anything but the strongest signals. The transmitter is ok.

Thanks,

John  
WB40FT

-----  
Date: Thu, 9 May 2002 09:05:17 -0400  
From: Tim ORourke <TORourke@KaiserFT.com>  
To: "'qrp-l@Lehigh.EDU'" <qrp-l@Lehigh.EDU>  
Subject: [126385] Argonaut 509 FS  
Message-ID: <0514B74864ACD511934400508BBB5E3415F701@EMAIL1>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"

A friend just posted a nice 509 with 405 and 251 at  
<http://www.eham.net/classifieds/detail/48649>  
73 Tim KG4CHX

-----  
Date: Thu, 09 May 2002 09:28:53 -0400  
From: David Hinerman <WD8CIV@worldnet.att.net>  
To: qrp-l@lehigh.edu  
Subject: [126386] Re: QRP-L Archives on CD [long]  
Message-ID: <5.1.0.14.1.20020509091237.00a6a720@ipostoffice.worldnet.att.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"; format=flowed

At 07:29 AM 5/9/2002 -0400, you wrote:  
>Still, there is a pretty clear trend. If there isn't an improvement in the  
>signal to noise ratio, we will spill over one CD before recordable DVDs  
>become commonplace.

John,

For a cumulative collection, it would have spilled over a single CD sooner or later. The high noise content is only hastening the inevitable.

Perhaps it's time to start doing incremental CD-ROMs with a cumulative index on each? That's what Intel and Motorola did when their databooks got too big. You could find a part number listed in the table of contents of any volume of, say, a 3-volume set of microcontroller databooks, and if the part's data weren't in that particular volume it would direct you to the right one.

Or, how about distributing the CDs with messages in flat text and a utility (script, batch file, whatever) to allow the user to index and HTMLize the archive locally? Until I actually purchased a CD-ROM, I had download the archives from Lehigh and searched them with grep whenever I wanted to find something. Later I installed a copy of the file indexing tool that was based on Alta Vista's indexing engine (I forget the exact name) to perform searches.

If I had my druthers, I druther not have the archives in HTML. But that's just me.

>More significant, though, the signal to noise ratio discourages some of our  
>most valuable contributors. If we each make an effort to quote  
>intelligently and stay on topic, all of our experiences with QRP-L will be  
>improved.

This is, I think, the bigger problem. Some bright programmer who's handy with Perl may come up with a way to decompress compacted HTML files from within a browser - that's just technology. Getting people to voluntarily filter their contributions is much more challenging, as we've seen. It still won't solve the storage problem, just push it off into the future where we hope Moore's Law will provide better storage and retrieval methods.

Dave

-----  
"You can fool some of the people all of the time. That's enough to make a living." - Lance Burton  
-----

Dave Hinerman  
WD8CIV@worldnet.att.net

-----  
Date: Thu, 9 May 2002 09:52:02 -0400  
From: "Hartwell, Martin E, ALINF" <mehartwell@att.com>

To: <qrp-1@lehigh.edu>  
Subject: [126387] Ten Tec 516  
Message-ID: <6579C6377F475547985F0B3E426E1626140558@OCCLUST01EVS1.ugd.att.com>  
content-class: urn:content-classes:message  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="Windows-1252"  
Content-Transfer-Encoding: quoted-printable

I am a Ten Tec fan, I just ordered the 516 without stopping to think =  
about it.=20  
I just wonder if they will make the August delivery date. The last time =  
I was there  
and talked to the staff, it was in testing stages back in March. I think =  
they may  
make the date or shortly after.

Marty Hartwell kd8bj  
AT&T Columbus Ohio  
PH:614-501-2503

-----  
Date: Thu, 9 May 2002 10:00:52 -0400  
From: "Hartwell, Martin E, ALINF" <mehartwell@att.com>  
To: "QRP-L" <qrp-1@lehigh.edu>  
Subject: [126388] Ideas  
Message-ID: <6579C6377F475547985F0B3E426E1626140559@OCCLUST01EVS1.ugd.att.com>  
content-class: urn:content-classes:message  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="Windows-1252"  
Content-Transfer-Encoding: quoted-printable

Hi

I have been wondering something. While crusing in the Carib I noticed =  
on some=20  
sail boats these wind generators attached to the mast. I am assuming =  
these are used to  
keep deep cycle batteries charged which then keep the bilges pumped =  
somewhat automagicly.  
Now to radio, where can one get these wind generators and would they =  
maybe keep a battery  
charged while on a camping trip, of course depending on amount of wind.

Then again it was a few years ago I saw these things, maybe now they use =  
solar panels to  
keep the batteries charged. Lots of sun there, and many changes to =  
charge controllers. Then  
again would you need a charge controller with wind generators too? I =  
would think so.  
Many Many questions, so little time.

Marty Hartwell kd8bj  
AT&T Columbus Ohio  
PH:614-501-2503

-----  
Date: Thu, 9 May 2002 09:35:39 -0500  
From: "Tony Parks" <robert.parks11@gte.net>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [126389] Free EE text books  
Message-ID: <003701c1f766\$cb7ee360\$be12f143@3dse0>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

I am a retired electrical engineer and in the process of reducing the amount  
of stuff around the house to a more manageable volume. I have about 25 EE  
text books that are headed for the Good Will. However, before they go there  
I thought I would see if anyone wanted any of the books at just the cost of  
the postage. The books for the most part are math and control systems as  
well as other topics such as thermodynamics and mechanics.

If anyone has an interest in any of the books, e-mail me directly with your  
engineering subject area interest and I will respond with book  
titles/authors.

73,  
Tony  
KB9YIG

-----  
Date: Thu, 09 May 2002 10:36:54 -0400  
From: Mercxx@aol.com  
To: qrp-l@lehigh.edu  
Subject: [126390] Homebrew Project  
Message-ID: <33EF2A75.049D9BBB.0004E6AB@aol.com>

Content-Type: text/plain; charset=iso-8859-1  
Content-Transfer-Encoding: 8bit

Good morning,

I have a couple of projects with my sons in the works. After reading the threads on Homebrew being dead in some ways it actually spurred me on with our projects. I have been acquiring the parts to do the Ugly weekender and the Ugly weekender II. In the process of studying and checking out the schematics I decided that maybe we should start with something simple first. So scouring through QST and the book QRP power the boys and I are going to start with the transmitter outlined in the article Build it yourself published in April - July of 1992 QST by Bruce Hale.

The question is, what receiver design to mate up with this transmitter, we are building these in the ugly style as laid out in the article. I would appreciate any input on a simple 20 meter receiver to mate up with this transmitter. I hope I have not bored anyone and thanks in advance for the input. In the world of the instant fix I glad to have two boys that want to build from the ground up. Thanks again.

72  
Steve  
N4TKP  
Bartow, Florida

-----  
Date: Thu, 9 May 2002 09:42:42 -0600  
From: tailfeathers@juno.com  
To: qrp-1@Lehigh.EDU  
Subject: [126391] Re: Mutliband Apples and Apples  
Message-ID: <20020509.102148.-1405183.0.tailfeathers@juno.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Which of these rigs is the most quiet. I played with a sg2020 at dayton last year and the relays sounded like a teletype machine. This is 2002 so can't they figure out a way to get rid of those relays?

Gary  
n8gsj

> Since the question has come up regarding the TT 516/Argonaut V, I  
> thought I'd do a little investigation as to the physical  
> characteristics of several multi-band rigs in relation to their  
> power  
> requirements. The raw data follows:  
>

> Rig	FT-817	SGC2020	K-2	516
>				
> Rec	450mA	400mA	300mA	950mA
> Trans	2A	3A		2A
>				6A
> Wgt	2.6	4.5		3.3
>				5
> Size	51.77	115.5	265.9	226.7
>				

> Weight is in lbs; size in cubic inches calculated off the  
 > manufacturer's  
 > specs.  
 >  
 > Price is deliberately left off. The 817 needs a cw filter; the K-2 a  
 > ssb  
 > board; etc. etc.  
 > Coming up with a price comparison will depend largely on one's  
 > operating  
 > preferences.  
 >  
 > What does this tell us? At the whopping 5 lbs weight, and  
 > considerable  
 > size, the 516 was not designed with portability in mind. Hence the  
 > relatively large current requirements are reflective of a more or  
 > less  
 > set operating position.  
 >  
 > The FT-817, on the contrary, was clearly intended to be portable,  
 > which  
 > makes its relatively demanding current draw a negative. The SGC2020  
 > resides with a foot in both worlds: size and current draw would make  
 > it  
 > an attractive portable, 4.5 lbs makes it a little on the stout size  
 > for  
 > backpacking. The K-2 and 516 look to be qth rigs that could be taken  
 > for  
 > a drive now and again, the K-2 being the far more efficient in use  
 > of  
 > power and a lighter weight. But it will take up a lot of space in  
 > the  
 > backpack. Any of these rigs would probably be dandy for a  
 > DXpedition, so  
 > long as you're not packing in rig plus batteries!  
 >  
 > So how's them apples!  
 >  
 > 73  
 > Ken KG4FGC



>  
>

-----  
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Date: Thu, 9 May 2002 10:19:54 -0700  
From: "Michael Connor" <nq7k@mtarvin.com>  
To: "QRP-L" <qrp-l@lehigh.edu>  
Subject: [126392] FS: Radio stuff  
Message-ID: <002601c1f77d\$bc3d4830\$2a0c3e40@mtarvin>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Gang,

I have some radio stuff that is surplus to my needs-

Realistic HTX100 10 meter rig- \$75

S&S TAC-1 40 meter transceiver-  
covers entire 40M CW band, synthesized,  
built-in keyer, loafers along at 5 watts- \$125

Radio Shack DSP40 DSP audio filter new in box- \$25

Thanks,  
Mike  
NQ7K

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End of QRP-L Digest 2550

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